Panasonic

2.4GHz Digital Cordless Phone

Model No. KX-TG2650ALN
KX-TG2650NZN

Operating Instructions

Caller ID Compatible

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 8 hours before initial use.

Before Initial Use

Thank you for purchasing your new Panasonic cordless telephone.

For Australia
When you subscribe to Caller ID services from your telephone operator, this telephone will display the caller's phone number. When available from your telephone operator, this telephone will also display the number of the second call or call waiting.

For New Zealand
Caller ID, where available, is a service provided by the telephone company. After subscribing to Caller ID, this phone will display a caller's phone number.

For your future reference

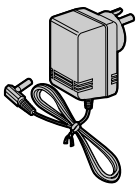
Serial No. _____ Date of purchase _____
(found on the bottom of the unit)

Name and address of dealer _____

Attach or keep original receipt to assist with any repair under warranty.

Accessories (included)

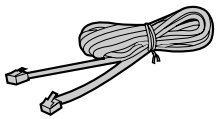
☐ AC Adaptor (p. 10)



one

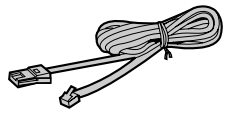
☐ Telephone Line Cord (p. 10)

For Australia



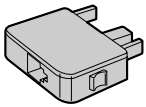
one

For New Zealand



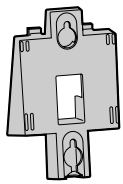
one

For Australia only
☐ Telephone Plug (p. 10)



one

☐ Wall Mounting Adaptor (p. 52)



one

☐ Belt Clip (p. 49)

one

For Best Performance

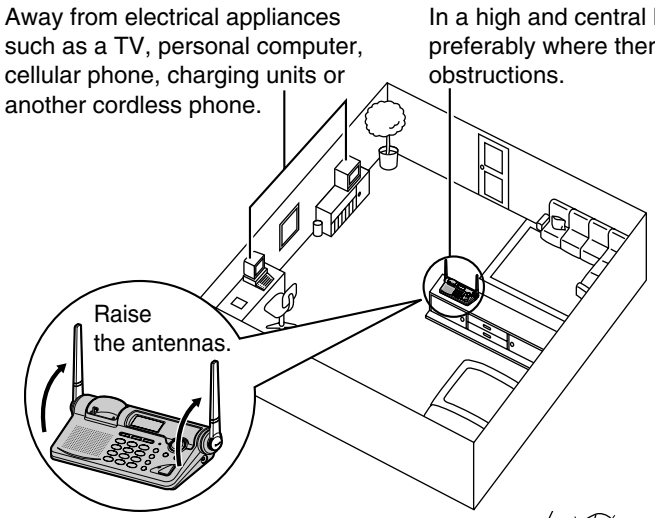
Battery Charge

A rechargeable Nickel-Metal Hydride (Ni-MH) battery powers the handset. Charge the battery for about **8 hours** before initial use (p. 11).

- **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.

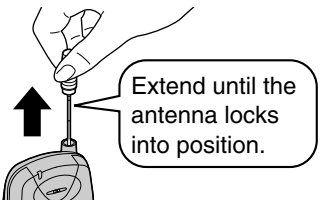
Base Unit Location/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:


Away from electrical appliances such as a TV, personal computer, cellular phone, charging units or another cordless phone.
In a high and central location, preferably where there are no obstructions.
Raise the antennas.

For best performance, extend the handset antenna fully.

- If the antenna is not fully extended, maximum operating range will not be achieved.



Note:

While using the handset:

- If you are near a microwave oven which is being used, noise may be heard from the receiver or the speaker. Move away from the microwave oven and closer to the base unit.
- If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

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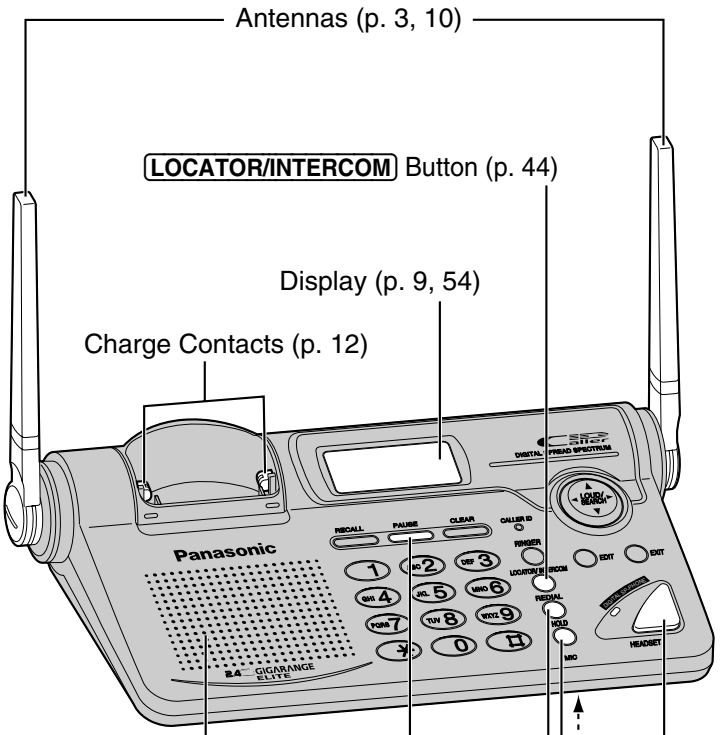
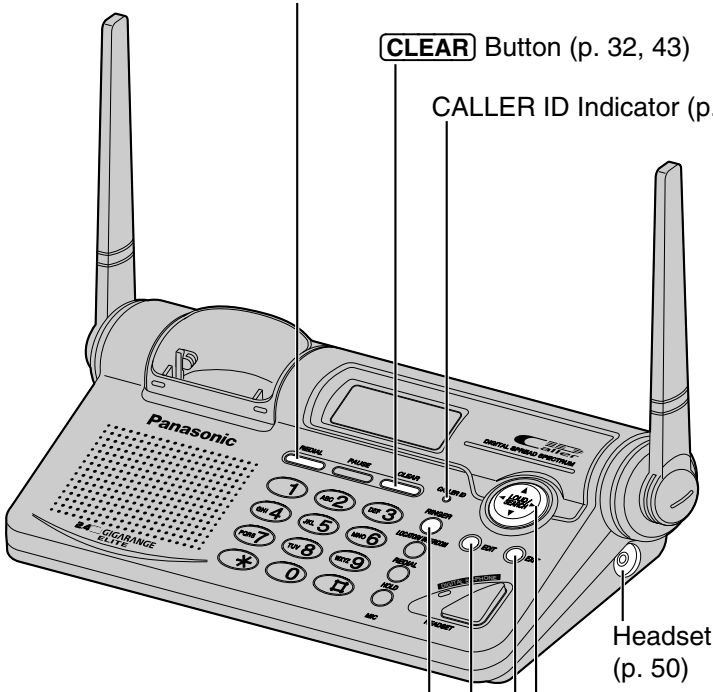
Location of Controls

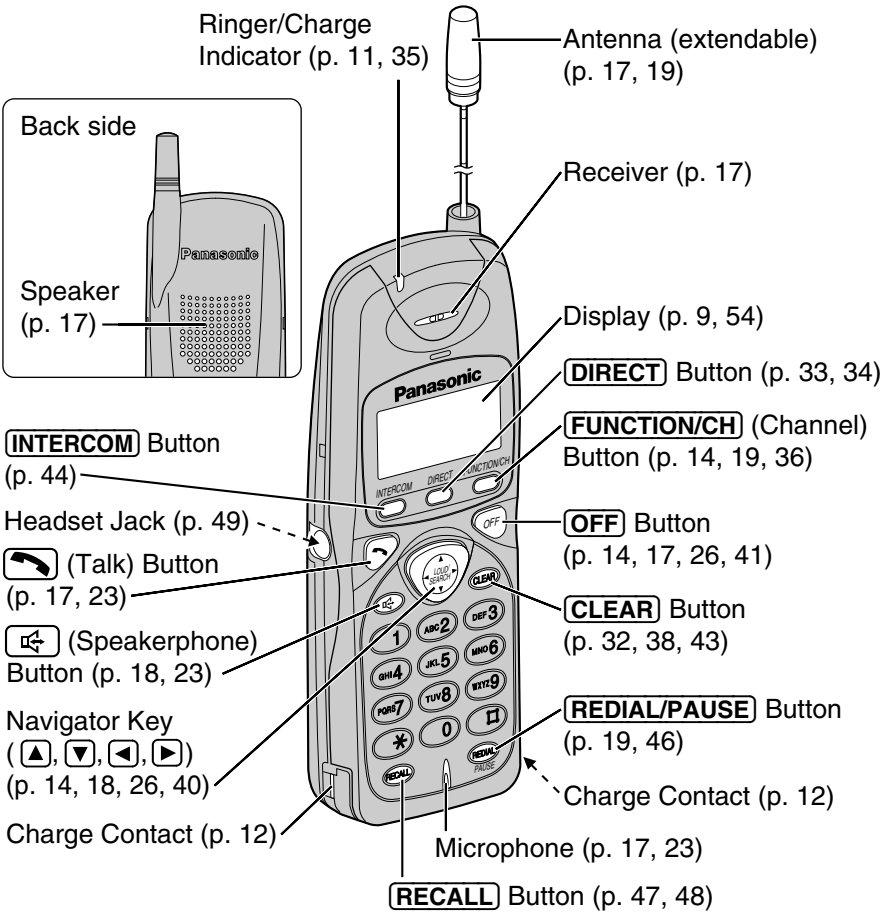
Base unit




RECALL Button (p. 47, 48)
CLEAR Button (p. 32, 43)
CALLER ID Indicator (p. 25)
Panasonic
Headset Jack
(p. 50)
Navigator Key
(▲, ▼, ◄, ►)
(p. 21, 26, 40)
RINGER Button (p. 16)
EDIT Button (p. 30)
EXIT Button (p. 26, 41)

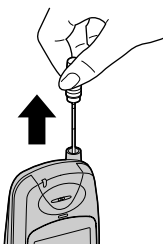
Location of Controls

Handset

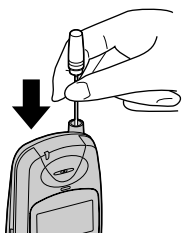


How to handle the handset antenna:

You can even use the handset without extending the antenna. But for best performance, extend the antenna fully until it locks into position.

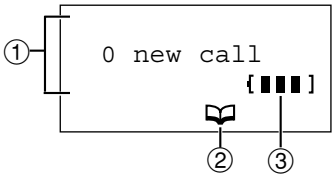


To retract the antenna, slide down vertically holding the lower part until it stops.



Displays

Handset



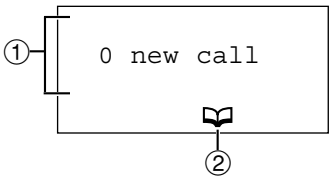
①The display shows the dialled number, call status, programming options and directory items etc. If you subscribe to a Caller ID service, caller information will be displayed (p. 24). The number of new calls will also be displayed.

②The directory icon displays when storing or viewing the directory items (p. 36, 40).

③The battery icon indicates the battery strength (p. 11).

Standby mode:
While the handset is off the base unit, the handset goes into the standby mode after you finish using it (making/answering a call, viewing the Caller List or directory list etc.). During standby mode, the display is blank, but the handset can receive calls. The battery operating time is conserved in this mode. While the handset is on the base unit, the battery icon and the number of new Caller ID calls are displayed in the standby mode (p. 25).

Base unit



①The display shows the dialled number, call status, programming options and directory items etc.
If you subscribe to a Caller ID service, caller information will be displayed (p. 24). The number of new calls will also be displayed.

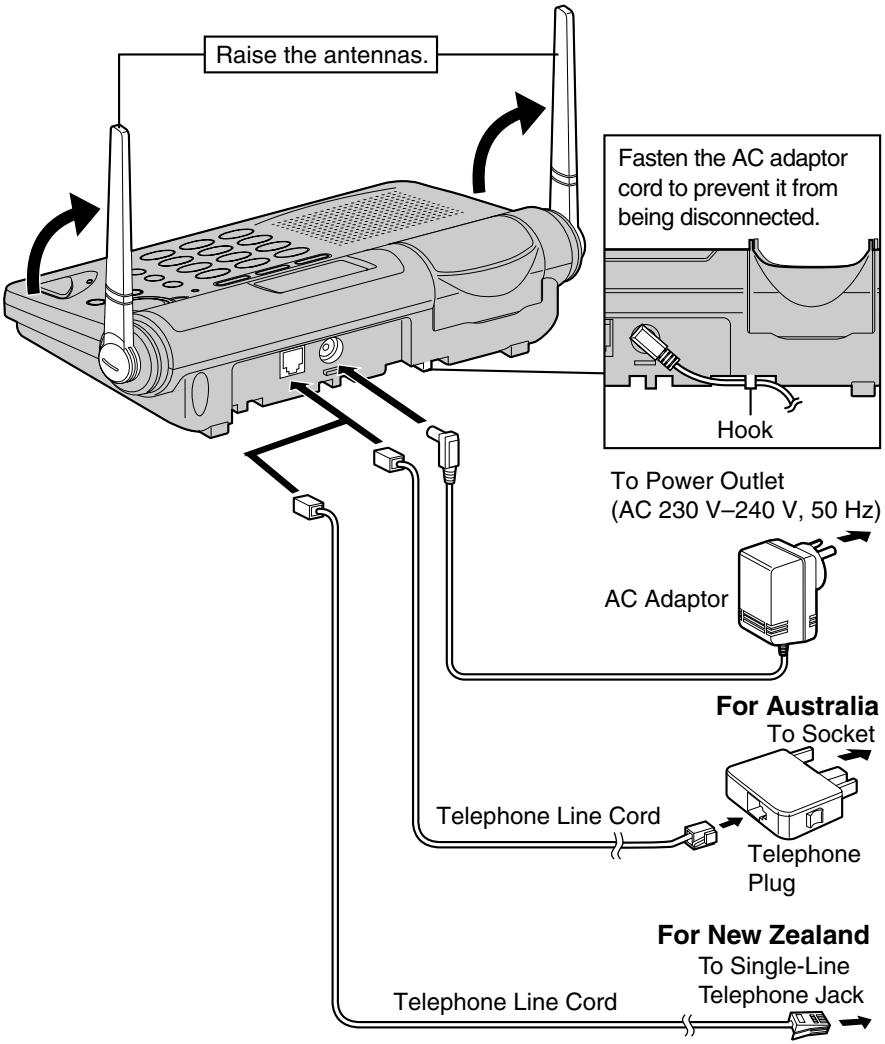
②The directory icon displays when viewing the directory items (p. 40).

Backlit LCD Displays

Both the handset and the base unit have a backlit LCD display. Each display will light when the handset or the base unit is used, and when a call is received. The handset display light will stay on for about 10 seconds after pressing a button or lifting the handset off the base unit. The base unit display light will go out after use.
You can change the backlight colour to orange for certain callers if their details are stored in the directory (p. 35).

Settings

Connections

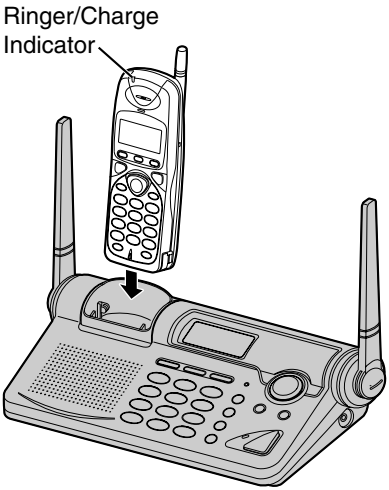


- USE ONLY WITH Panasonic AC ADAPTOR PQLV10AL.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 59.
- If your unit is connected to a PBX which does not support Caller ID, you cannot access those services.
- KX-TG2650ALN and KX-TG2650NZN are not designed to be used with rotary (pulse dialling) services.

Battery Charge

Insert the handset in the cradle. The ringer/charge indicator will light and a beep will sound. Charge for about **8 hours** before initial use.

- If the battery has been fully charged, the ringer/charge indicator light will turn from red to green.
- If you use the handset for a few minutes, the ringer/charge indicator light will stay red for a while even if the battery is fully charged. This is normal.



Battery strength

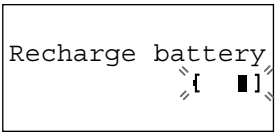
You can check the battery strength on the handset display while the handset is on the base unit, while it is in use (making/answering a call etc.), or after viewing the Caller List or directory items, programming etc. The battery strength will remain for 5 seconds after using the handset, then the display will return to the standby mode (p. 9).

The battery strength is as shown in the chart below.

Display prompt	Battery strength
[▮▮▮]	High
[▮▮]	Medium
[▮]	Low
[▮] (flashing)	Needs to be recharged.

- If the battery has been fully charged, the ringer/charge indicator will light in green.

Recharge



Recharge the battery when:
—"Recharge battery" is displayed on the handset,
—"[ ]" flashes on the display, or
—the handset beeps intermittently while it is in use.

- If you DO NOT recharge the handset battery for more than 15 minutes, the display will keep indicating "Recharge battery" and/or "[ ]" will continue to flash.
- To fully recharge the battery, the handset should be left on the base unit for 8 hours.

Battery information

After your Panasonic battery is fully charged (p. 11):

Operation		Operating time
While in use (TALK)	near the base unit*	Up to 4.5 hours
	away from the base unit	Up to 3.5 hours
While not in use (Standby)		Up to 11 days

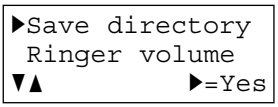
*Within about 10 feet (3 m)

- The battery operating time may be shortened depending on usage conditions, such as viewing the Caller ID Caller List or directory list, and ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until "Recharge battery" is displayed and/or "[ ]" flashes. This will maximize the battery life.
- The battery cannot be overcharged.

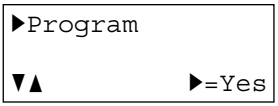
Selecting the Line Mode

If the line is connected to a low voltage system such as a PBX, set to "B". Otherwise the Call Waiting Caller ID Feature may not function (p. 47).
Your phone comes from the factory set to "A".
Use the handset near the base unit.
Make sure the unit is in the standby mode initially.

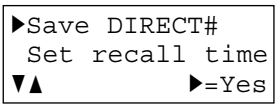
1 Press **FUNCTION/CH**.



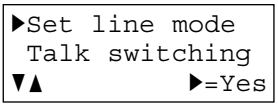
2 Press ▼ or ▲ repeatedly until the arrow points to "Program".



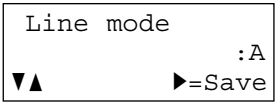
3 Press ▶ (Yes key).



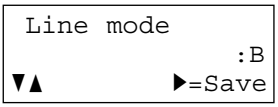
4 Press ▼ or ▲ repeatedly until the arrow points to "Set line mode".



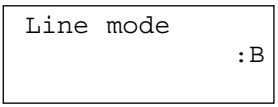
5 Press ▶ (Yes key).



6 Press ▼ or ▲ to select "B" or "A".



7 Press ▶ (Save key).
- A beep sounds.
- To return to the standby mode, press **OFF**.



- You can exit the programming mode any time by pressing **OFF**.
- If the handset has lost communication with the base unit, 3 beeps sound and "No link to base. Place on cradle and try again." is displayed.

Programmable Functions

You can program the following functions **by using the handset near the base unit**. The display shows the programming instructions. See the corresponding pages for function details.
Make sure the unit is in the standby mode initially.

Press **FUNCTION/CH**.

<Function menu>*

▶Save directory	To store an item in the directory (p. 36).
Ringer volume	To select the handset ringer volume (p. 16).
Program	

Press ▶.

<Function menu>*

▶Save DIRECT#	To store a phone number in the DIRECT button (p. 33).
Set recall time	To select the recall time (p. 48).
Set line mode	To select the line mode (p. 13).
Talk switching	To set the auto talk feature (p. 15).

During programming:

*To select a desired function, press ▼ or ▲ repeatedly until the arrow points to the item. Then press ▶ to go to the next step.

- You can exit the programming mode any time by pressing **OFF**.
- If you do not press any buttons for 60 seconds, the unit will return to the standby mode.
- If the handset has lost communication with the base unit, 3 beeps sound and "No link to base. Place on cradle and try again." is displayed.

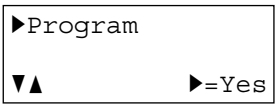
Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing [ ] or [SP-PHONE]. If you want to use this feature, turn the feature ON by programming. Your phone comes from the factory set to OFF.

Make sure the unit is in the standby mode initially.

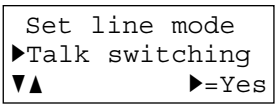
1 Press **FUNCTION/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".



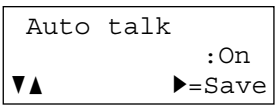
3 Press ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "Talk switching".

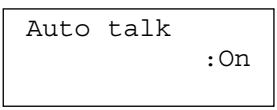


5 Press ▶ (Yes key).

6 Press ▼ or ▲ to select "On" or "Off".



7 Press ▶ (Save key).
- A beep sounds.
- To return to the standby mode, press **OFF**.



- You can exit the programming mode any time by pressing **OFF**.
- In order to view Caller ID information before answering a call, leave the Auto Talk feature OFF.

Selecting the Ringer Volume

You can set the handset and base unit ringer volumes to HIGH, LOW or OFF. If set to OFF, the handset/base unit will not ring. Your phone comes from the factory set to HIGH.

Handset ringer volume

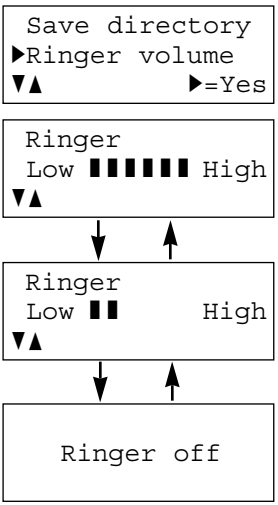
Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Ringer volume", and press ▶ (Yes key).

3 Press ▼ or ▲ to select the desired volume.

- The selected volume is displayed and rings.
- **To turn the ringer OFF**, press and hold ▼ until 2 beeps sound.



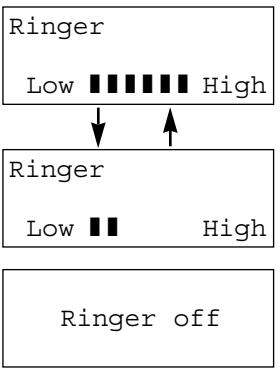
To turn the ringer ON, press ▲ or ▼ in step 3.

- The ringer will sound at the LOW level.
- You can also select the ringer volume while a call is being received. Press ▼ or ▲ while the unit is ringing.
- When set to OFF, "Ringer off" will flash for about 45 seconds before the handset returns to the standby mode.
- When you replace the battery, the selected ringer volume setting will return to the factory default (HIGH). Reprogram if necessary.

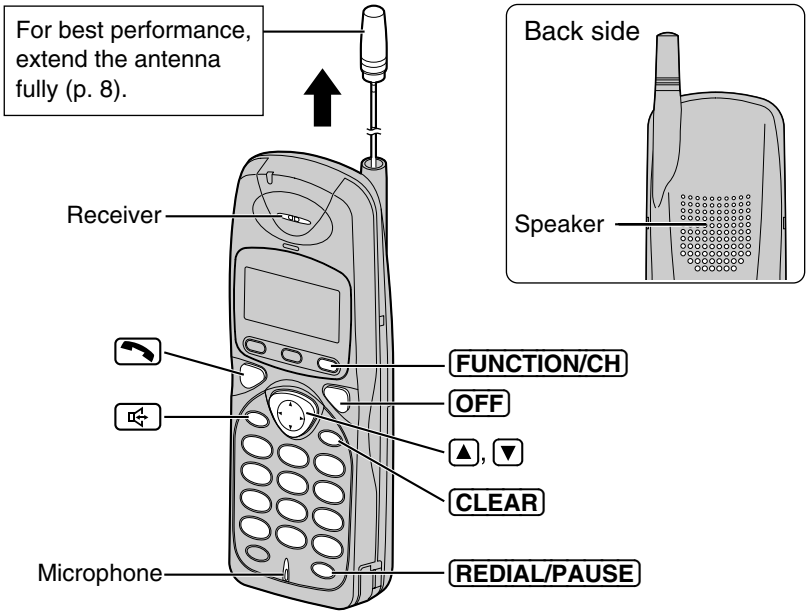
Base unit ringer volume

Make sure the unit is in the standby mode initially. (You can also select the ringer volume while a call is being received.)

- **To select HIGH or LOW**, press **RINGER**. Each time you press the button, the selected ringer volume will be displayed and ring.
- **To turn the ringer OFF**, press and hold **RINGER** until 2 beeps sound. "Ringer off" will be displayed.
- **To turn the ringer ON**, press **RINGER**. The ringer will sound at the HIGH level.



With the Handset



1 Press [talk].

```
Talk
```

2 Dial a phone number.
- The dialled number is displayed.
- After a few seconds, the display will show the length of the call and the battery strength.

```
Talk
0111112222
```

```
Talk

00-00-00     [▮▮▮]
```

3 To hang up, press **OFF** or place the handset on the base unit.

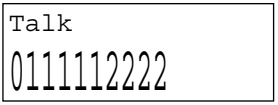
```
Off

00-01-20     [▮▮▮]
```

- If the handset has lost communication with the base unit, 3 beeps sound and "`No link to base. Place on cradle and try again.`" is displayed.

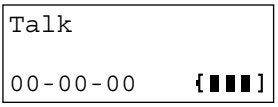
To have a hands-free phone conversation (Using Digital Duplex Speakerphone)

1 Press [speaker].
- The button lights.

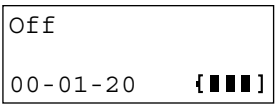
2 Dial a phone number.
- The dialled number is displayed.
- After a few seconds, the display will show the length of the call and the battery strength.



3 When the other party answers, talk into the microphone.



4 To hang up, press [OFF] or place the handset on the base unit.
- The [speaker] button light goes out.



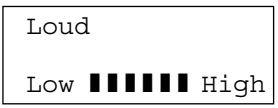
- If the handset has lost communication with the base unit, 3 beeps sound and "No link to base. Place on cradle and try again." is displayed.

Hands-free Digital Duplex Speakerphone
For best performance, please note the following:
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press [▼] to decrease the speaker volume.
- If the other party's voice from the speaker cuts in/out during a conversation, press [▼] to decrease the speaker volume.
- While talking using [handset], you can switch to the hands-free phone conversation by pressing [speaker]. To switch back to the receiver, press [handset].

To adjust the receiver volume (High, Medium or Low) or speaker volume (6 levels) while talking

To increase, press [▲].
To decrease press [▼].
- Each time you press [▼] or [▲], the volume level will change.
- The display will return to the length of the call.

Ex. Receiver volume: High
Speaker volume: level 6



If noise interferes with the conversation

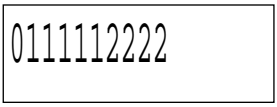
Extend the antenna fully, press **FUNCTION/CH** to select a clearer channel or move closer to the base unit.

To redial the last number dialled on the handset

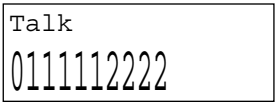
Press or and press **REDIAL/PAUSE**.

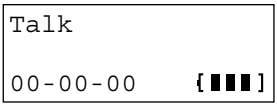
To dial after confirming the entered number

1 Dial a phone number.
- If you misdial, press **CLEAR** and dial again.



2 Press .
OR
To have a hands-free phone conversation, press , and when the other party answers talk into the microphone.
- After a few seconds, the display will show the length of the call and the battery strength.





3 To hang up, press **OFF** or place the handset on the base unit.

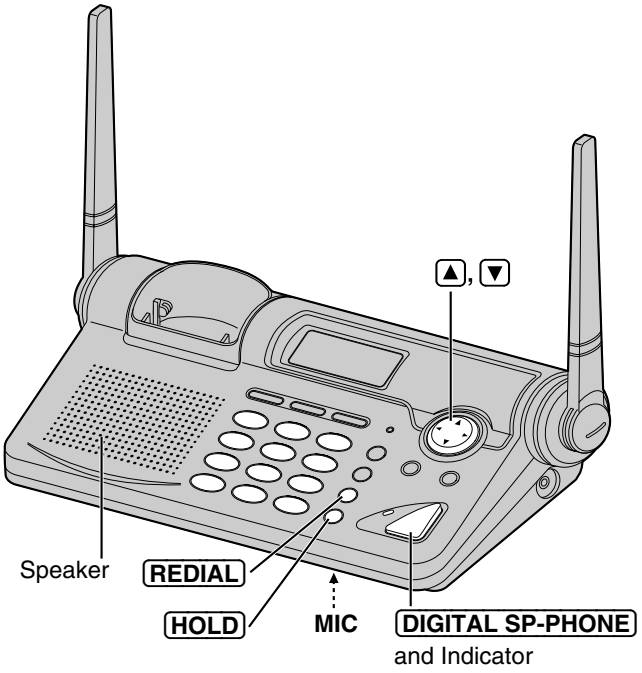
To redial after confirming the last number dialled

Press **REDIAL/PAUSE** and press or .

Backlit handset keypad

The handset dialling buttons will light when you press a button or lift the handset off the base unit, and flash when a call is received. The lights will turn off about 10 seconds after pressing a button, lifting the handset or answering a call.

With the Base Unit (Digital Duplex Speakerphone)



1 Press **DIGITAL SP-PHONE**.
- The DIGITAL SP-PHONE indicator lights.

```
Talk
```

2 Dial a telephone number.

```
Talk
0111112222
```

3 When the other party answers, talk into the **MIC** (microphone).

```
Talk
00-00-00
```

4 To hang up, press **DIGITAL SP-PHONE**.
- The indicator light goes out.

```
Off
00-02-10
```

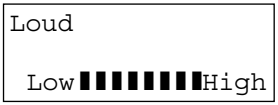
- To switch to the handset while using the base unit speakerphone:
  —If the handset is off the base unit, press [📞] or [🔊].
  —If on the base unit, just lift up.
- During a call using the handset, the call can be switched to the base unit speakerphone by pressing **DIGITAL SP-PHONE** on the base unit.

Hands-free Digital Duplex Speakerphone
For best performance, please note the following:
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press ▼ to decrease the speaker volume.
- If the other party's voice from the speaker cuts in/out during a conversation, press ▼ to decrease the speaker volume.

To adjust the speaker volume (8 levels) while talking

To increase, press ▲.
To decrease, press ▼.

Ex. Level 8



To redial the last number dialled on the base unit

Press **DIGITAL SP-PHONE** and press **REDIAL**.

To put a call on hold

Press **HOLD**.

- The DIGITAL SP-PHONE indicator flashes.

To release the hold

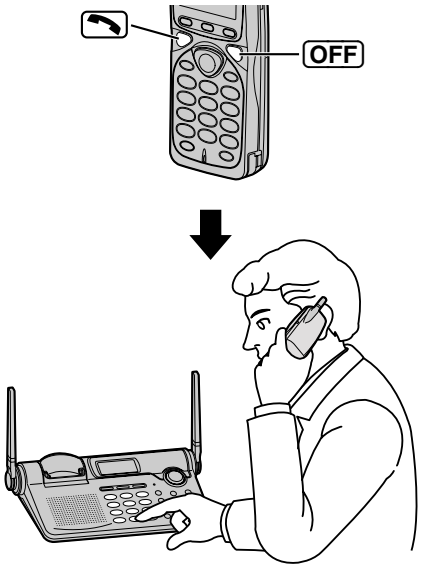
From the base unit, press **DIGITAL SP-PHONE**.

From the handset, press or , or lift the handset off the base unit.

- If another phone is connected on the same line (p. 59), you can also release the hold by lifting its handset.

Simultaneous Keypad Dialling

You can use the base unit like a standard telephone. After pressing [ ] to make a call with the handset near the base unit, you can also dial using the base unit keypad.



1 Handset:
Press [ ].

2 Base unit:
Dial a telephone number while hearing a dial tone on the handset.
- When the other party answers, talk using the handset.

3 Handset:
To hang up, press [OFF] or place the handset on the base unit.

Simultaneous Keypad Dialling is possible after pressing [ ].

Useful information

You can enter numbers using the base unit keypad during a call with the handset. For example, to access an answering service, electronic banking service, etc.

1. Handset:
   Press [ ].
2. Handset:
   Dial a telephone number.
   - You can also dial with the base unit keypad.
3. Base unit:
   Enter the required numbers while listening to the pre-recorded instructions.
4. Handset:
   To hang up, press [OFF] or place the handset on the base unit.

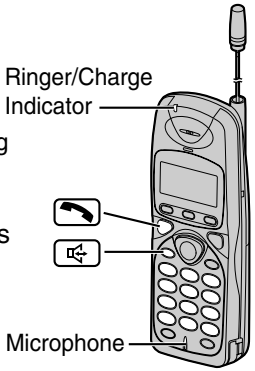
Answering Calls

When a call is received, the unit rings, "Incoming call" is displayed and the ringer/charge indicator flashes.
If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 24). In order to view the Caller ID information, please wait until the second ring to answer a call.

With the Handset

If the handset is off the base unit;
Press [phone].
- You can also answer a call by pressing any dialling button [0] to [9], [*] or [#] (—**Any Key Talk**).

OR
Press [speaker], and when the other party answers talk into the microphone.



Auto Talk

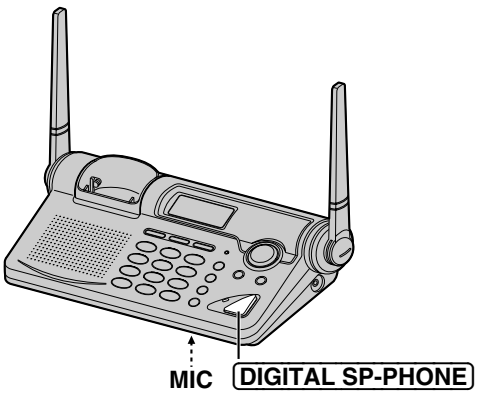
If you set the Auto Talk feature to ON (p. 15), you can answer a call by lifting the handset off the base unit without pressing [phone] or [speaker].

With the Base Unit

1 Press **DIGITAL SP-PHONE**.

2 Talk into the **MIC**.

3 To hang up, press **DIGITAL SP-PHONE**.

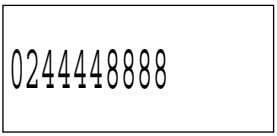


Caller ID Service

This unit is compatible with a Caller ID service offered by your telephone company. If you subscribe to a Caller ID service, the calling party's information will be shown on the handset and base unit displays after the first ring.
The unit can store up to 50 different callers in the Caller List. The Caller List information is sorted by the most recent to the oldest call. When the 51st call is received, the first call is deleted.
Using the list, you can automatically call back a caller. You can store the callers' numbers from the Caller List into the directory.
If you subscribe to both Caller ID and Call Waiting services, when a second call is received while talking, the new caller's phone number will be displayed **(for Australia only)** (p. 47).

How caller information is displayed when a call is received

The handset and base unit displays show the caller's phone number after the first ring.*



(The number is an Australian example.)

- After you answer the call, the display will show the length of the call.
- Caller information cannot be displayed in the following cases:
  - —If the caller dialled from an area which does not support Caller ID service, the display will show "`Out of area`".
  - —If the caller has requested not to display his/her information, the display will show "`Private caller`".
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
- If the name display service is available in your area, the display will show caller's names. For further information, please contact your telephone company.

For New Zealand Users:
Your telephone company may not support the second caller display feature.

Call group feature (Dual-Colour Visual Ringer):
If you receive a caller ID call from one of the phone numbers stored in the directory and the item has set the feature;
– the handset and base unit will ring with a different ringer pattern,
– the handset and base unit displays will light in orange, and
– the ringer/charge indicator will flash in orange.
You can then distinguish the caller from others easily. To use this feature, store items in the directory and turn the feature on for required items (p. 31, 35, 36).

*Private name display

If you receive a call from one of the phone numbers stored in the directory (p. 35), the caller's name will also be displayed.

```
TINA ROBINSON
0244448888
```

To check the number of new calls

When new calls have been received, the CALLER ID indicator flashes on the base unit. The handset and base unit displays show the number of new calls.

Ex. You have received 10 new calls.

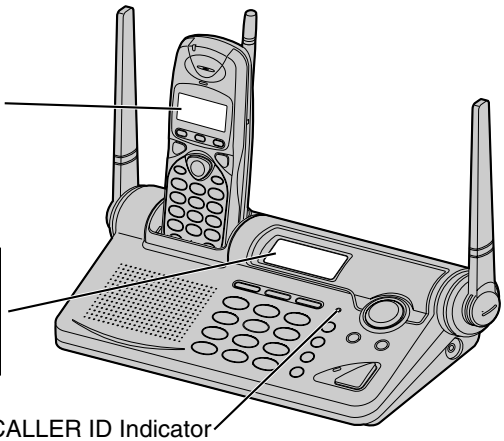
While the handset is on the base unit:

Handset display

```
10 new calls
          {▮▮▮]
```

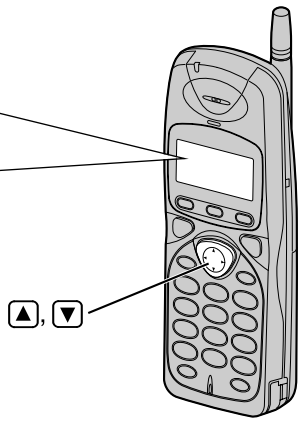
Base unit display

```
10 new calls
```



While the handset is off the base unit:
Press ▲ or ▼ to turn the display on.

```
10 new calls
▼▲   ▶=Directory
```



•If "No items stored" is displayed, the Caller List is empty.

Using the Caller List

Viewing the Caller List

You can view the caller list with the handset or the base unit. Caller List information includes the caller's phone number, the time and date the call was received, and the number of times that caller called.
Make sure the unit is in the standby mode initially.

With the handset

1 Press ▼ or ▲ to enter the Caller List.
- The display will show, for example, the following.

```
  2 new calls
▼▲    ▶=Directory
```

- You can go to the directory list by pressing ▶ (p. 40).

2 To search from the most recent call, press ▼.
To search from the oldest call, press ▲.
- To scroll between callers, press ▼ or ▲.

*
```
JACK SMITH
00112233445
 3:10P JUN.10
```

3 To exit the list, press OFF.
- The handset will return to the standby mode.

With the base unit

1 Press ▼ or ▲ to enter the Caller List.
- The display will show, for example, the following.

```
  2 new calls
▼▲    ▶=Directory
```

- You can go to the directory list by pressing ▶ (p. 40).

2 To search from the most recent call, press ▼.
To search from the oldest call, press ▲.
- To scroll between callers, press ▼ or ▲.

*
```
JACK SMITH
00112233445
 3:10P JUN.10
```

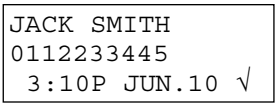
3 To exit the list, press EXIT.
- The base unit will return to the standby mode.

*Caller's name and phone number are stored in the directory (—**Private name display**).

- If "`No items stored`" is displayed, the Caller List is empty.
- While you are viewing the Caller List with the handset, another person cannot access the list using the base unit, and vice versa.

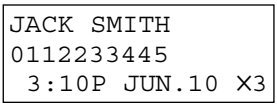
What "√" means

When the display shows "√", you have already viewed this calling information, answered the call or called back the caller. If the same caller calls again, the call entry with "√" will be replaced with the new call entry.



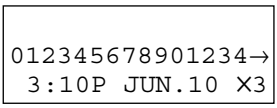
If a caller calls more than once

The number of times the same caller called is displayed (×2 to ×9). The date and time of the most recent call will be recorded. After checking, ×2 to ×9 will be replaced with "√".

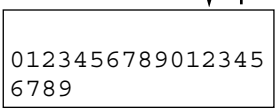


What "→" means

If an arrow (→) is displayed after the number, the whole phone number has not been shown. Press # or * to see the remaining numbers or to return to the previous display.



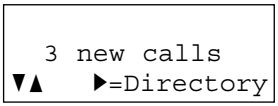
Press # or *.



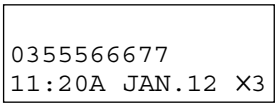
Calling Back from the Caller List

With the handset

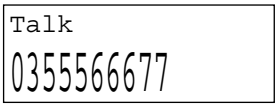
1 Press ▼ or ▲ to enter the Caller List.



2 Press ▼ or ▲ repeatedly to find the desired caller.

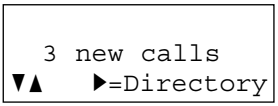


3 Press [phone] or [speaker].
- The displayed phone number is dialled automatically.

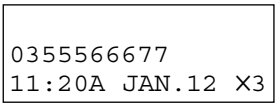


With the base unit

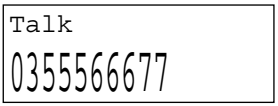
1 Press ▼ or ▲ to enter the Caller List.



2 Press ▼ or ▲ repeatedly to find the desired caller.



3 Press **DIGITAL SP-PHONE**.
- The displayed phone number is dialled automatically.



- If a phone number is not displayed in the caller information, you cannot call back that caller.

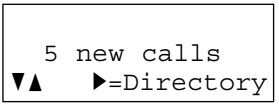
For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Editing the Caller's Phone Number

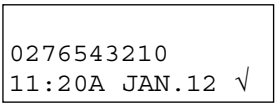
You can edit a phone number into one of 3 patterns.
Make sure the unit is in the standby mode initially.

With the handset

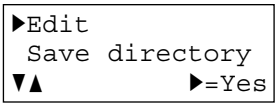
1 Press ▼ or ▲ to enter the Caller List.



2 Press ▼ or ▲ repeatedly to find the desired caller.



3 Press ►.



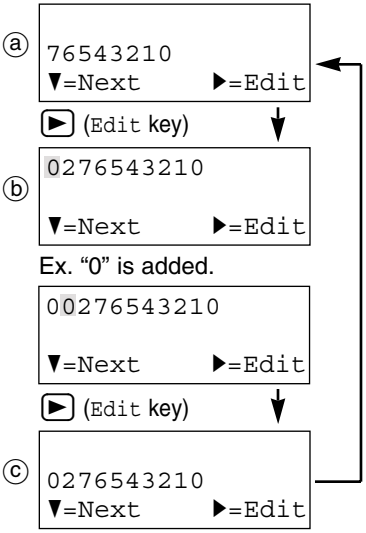
4 While the arrow points to "Edit", press ► (Yes key) to select a pattern.

- Each time you press ► (Edit key), the number is rearranged into one of 3 different patterns.

ⓐ Phone no.
(The first 2 digits are deleted.)

ⓑ Free editing
- You can add digits to the front of the number, up to a total of 20 digits including the original number.
- Each time you press **CLEAR**,
  — after you add a number, the digit to the left of the cursor is erased.
  — when the cursor is at the front, the digit on the cursor is erased.

ⓒ Area code – Phone no.
(The number returns to the original number shown in step 2.)



5 After editing the number, you can continue with calling back or storing procedures.
To call back, press or (p. 28).
To store the number in the directory, press ▼ (Next key), and follow the instructions on the display (see page 31).

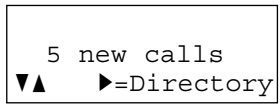
- The number edited in step 4 will not be maintained in the Caller List.

For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

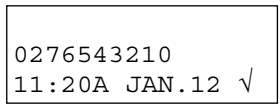
Using the Caller List

With the base unit

1 Press ▼ or ▲ to enter the Caller List.



2 Press ▼ or ▲ repeatedly to find the desired caller.



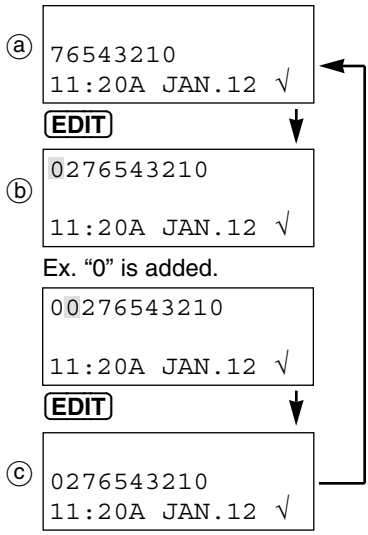
3 Press **EDIT** to select a pattern.

- Each time you press **EDIT**, the number is rearranged into one of 3 different patterns.

ⓐ Phone no.
(The first 2 digits are deleted.)

ⓑ Free editing
- You can add digits to the front of the number, up to a total of 20 digits including the original number.
- Each time you press **CLEAR**,
  — after you add a number, the digit to the left of the cursor is erased.
  — when the cursor is at the front, the digit on the cursor is erased.

ⓒ Area code – Phone no.
(The number returns to the original number shown in step 2.)



4 After editing the number, you can continue with calling back. Press **DIGITAL SP-PHONE** (p. 28).

- The number edited in step 3 will not be maintained in the Caller List.

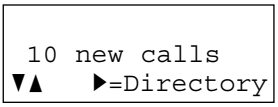
For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Storing Caller List Information in the Directory

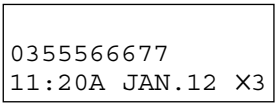
You can store names and phone numbers that are in the Caller List into the directory. You can also turn the call group feature on for certain callers (p. 35).

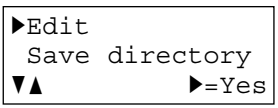
Storing must be carried out with the handset.
Make sure the unit is in the standby mode initially.

1 Press ▼ or ▲ to enter the Caller List.

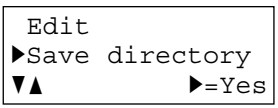


2 Press ▼ or ▲ repeatedly to find the caller you want to store in the directory, and press ▶ (Yes key).
- If the number requires editing, see page 28.



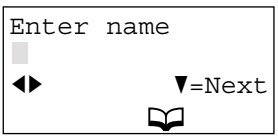


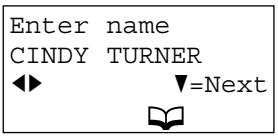
3 Press ▼ or ▲ to select "Save directory", and press ▶ (Yes key).



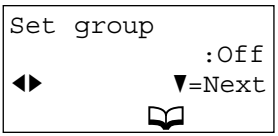
If there is no name information for the caller, "Enter name" will be displayed.

a) If a name is not required, press ▼ (Next key) twice.
b) If a name is required, enter the name (p. 38). When finished, press ▼ (Next key) twice.





4 To turn the call group feature on, select "On" by pressing ◀ or ▶.
If not required, select "Off".
(See page 37, from step 7.)



- You can exit the programming mode any time by pressing OFF.
- If the display shows "Directory full" in step 3, press OFF to exit the list. To erase other stored items from the directory, see page 43.
- You cannot store caller information in the directory if a phone number is not displayed.
- If 3 beeps sound and the display shows "Save error", move closer to the base unit and start again from step 1.

For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Erasing Caller List Information

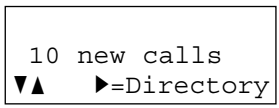
After checking the Caller List, you can erase some or all of the entries with the handset or the base unit.

Make sure the unit is in the standby mode initially.

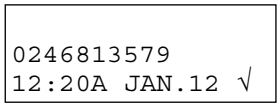
To erase a specific caller from the Caller List

With the handset/base unit:

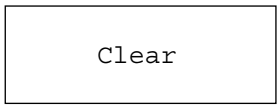
1 Press ▼ or ▲ to enter the Caller List.



2 Press ▼ or ▲ repeatedly to find the caller you want to erase from the Caller List.



3 Press **CLEAR**.



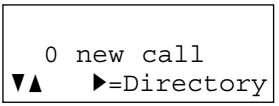
- A beep sounds and the information is erased.
- To erase other items, repeat from step 2.
- To return to the standby mode, if using the handset, press **OFF**. If using the base unit, press **EXIT**.

To erase all entries in the Caller List

Before erasing all entries, make sure that "0 new call" is displayed.

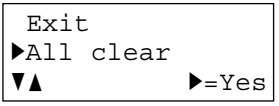
With the handset/base unit:

1 Press ▼ or ▲ to enter the Caller List.

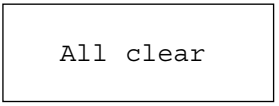


2 Press **CLEAR**.

3 Press ▼ or ▲ to select "All clear".



4 Press ▶ (Yes key).



- A beep sounds and all entries are erased.

One-Touch Dialler

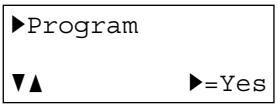
You can store a phone number in the **DIRECT** button of the handset. The stored number is dialled with a one-touch operation.

Storing a Phone Number in the DIRECT Button

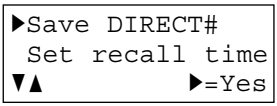
Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/CH**.

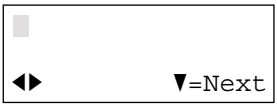
2 Press ▼ or ▲ repeatedly until the arrow points to "Program".



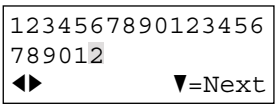
3 Press ▶ (Yes key).



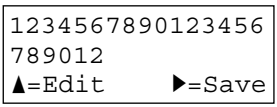
4 While the arrow points to "Save DIRECT#", press ▶ (Yes key).



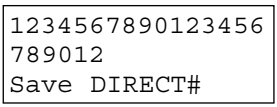
5 Enter a phone number, up to 22 digits.
- Each time you press **CLEAR** the digit is erased from the right. To erase all digits, press and hold **CLEAR**.
- To move the cursor, press ◀ or ▶.



6 Press ▼ (Next key).
- If you want to edit the entered number, press ▲ (Edit key) and return to step 5.



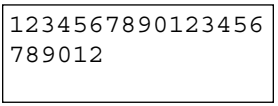
7 Press ▶ (Save key).
- A beep sounds.
- To return to the standby mode, press **OFF**.



- You can exit the programming mode any time by pressing **OFF**.
- If a pause is required for dialling, **REDIAL/PAUSE** can be stored in a phone number in step 5. This counts as one digit (p. 46).

Dialling the Stored Number in the DIRECT Button

1 Press [DIRECT].
- The stored number is displayed.



2 Press [ ] or [ ].
- The number is dialled.

- You can also dial the stored number by pressing [ ] or [ ] then pressing [DIRECT].

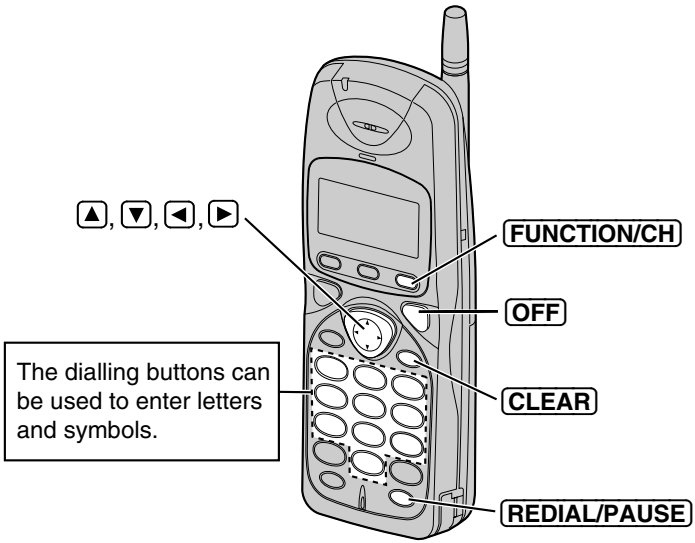
Using the Directory

You can store up to 90 names and phone numbers in the directory using the handset. All directory items are sorted by the first word in alphabetical order. Using the directory, you can make a call by selecting a name on the handset or base unit display. When you receive a caller ID call from a caller stored in the directory, the display will show the caller's name with the phone number (—**Private name display**) (p. 25).

Call group feature (Dual-Colour Visual Ringer):
You can distinguish certain callers from others by the ringer pattern, the colour of the display backlight and the ringer/charge indicator light when a call is received. Turn the call group feature on for required items (for example, for family). When a Caller ID call is received from those callers, the handset and the base unit will ring with a different ringer pattern from the 2nd or 3rd ring, the handset and base unit displays will light in orange and the ringer/charge indicator will flash in orange from the 2nd or 3rd ring.

Call group feature	Backlight colour Ringer/Charge indicator light colour	Ringer pattern
Off	Green	Ordinary
On	Orange	Higher pitch

•The call group feature cannot be used without subscribing to a Caller ID service (p. 24).



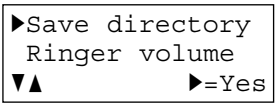
(Continued ➡)

Storing Names and Numbers in the Directory

Store a name and number, then if required, turn the call group feature on for the item.

Storing must be carried out with the handset.
Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/CH**.

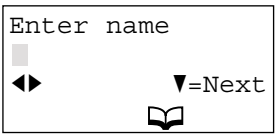


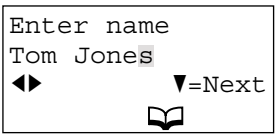
2 While the arrow points to "Save directory", press ▶ (Yes key).

- The display shows the number of stored items in the directory.

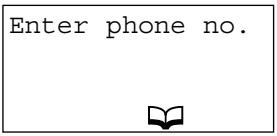
3 Enter a name, up to 15 characters using the dialling buttons (p. 38).

- To move the cursor, press ◀ or ▶.
- If a name is not required, press ▼ (Next key) and go to step 5.



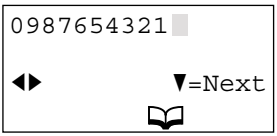


4 Press ▼ (Next key).

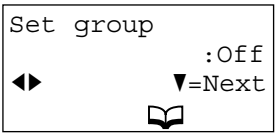


5 Enter a phone number, up to 22 digits.

- If you misdial, press **CLEAR**. Digits are erased from the right. To erase all digits, press and hold **CLEAR**.

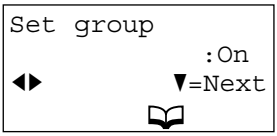


6 Press ▼ (Next key).



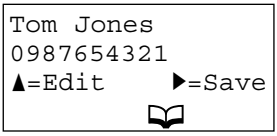
7 To turn the call group feature on, select "On" by pressing ◄ or ►.
If not required, select "Off".

- When "On" is selected, the display will light in orange and a different ringer pattern will be heard. When "Off" is selected, an ordinary ringer pattern will be heard.



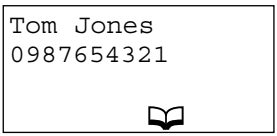
8 Press ▼ (Next key).

- If you want to change the storing name, number or group setting, press ▲ (Edit key) repeatedly to reach the desired display and change it.



9 Press ► (Save key).

- A beep sounds.
- To continue storing other items, repeat from step 2.
- To return to the standby mode, press **OFF**.



- If a pause is required for dialling, **REDIAL/PAUSE** can be stored in a phone number in step 5. This counts as one digit (p. 46).
- You can exit the programming mode any time by pressing **OFF**.
- If the display shows "Directory full" in step 2, press **OFF**. To erase other stored items from the directory, see page 43.
- After the maximum of 90 items has been stored, "Directory full" is also displayed.
- If 3 beeps sound and the display shows "Save error", move closer to the base unit and start again from step 1.

For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Selecting Characters to Enter Names

The handset dialling buttons ([0] to [9]) can be used to enter letters and symbols. The letters are printed on the dialling buttons.
Pressing each button selects a character as shown below.

Keys	Number of times key is pressed										
	1	2	3	4	5	6	7	8	9	10	11
[1]	#	&	’	(	)	*	,	–	.	/	1
[2]	A	B	C	a	b	c	2				
[3]	D	E	F	d	e	f	3				
[4]	G	H	I	g	h	i	4				
[5]	J	K	L	j	k	l	5				
[6]	M	N	O	m	n	o	6				
[7]	P	Q	R	S	p	q	r	s	7		
[8]	T	U	V	t	u	v	8				
[9]	W	X	Y	Z	w	x	y	z	9		
[0]	0	Blank									
[◄]	To move the cursor to the left										
[►]	To move the cursor to the right										

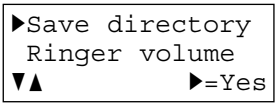
•To enter another character using the same dialling button, press [►] to move the cursor to the next space.

If you make a mistake while entering a name

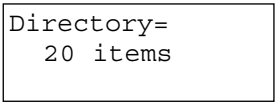
Use [◄] or [►] to move the cursor to the incorrect character, press [CLEAR] to delete and enter the correct character. Each time you press [CLEAR], a character is erased from the right.
To erase all characters, press and hold [CLEAR].

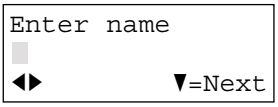
For example, to enter “Tom Jones”:

1 Press **FUNCTION/CH**.



2 While the arrow points to “Save directory”, press ▶ (Yes key).





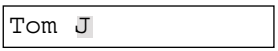
3 Press 8.

4 Press 6 six times, then press ▶ to move the cursor to the right.

5 Press 6 four times.

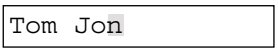
6 Press ▶ twice to enter a blank.

7 Press 5.

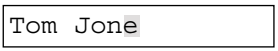


8 Press 6 six times, then press ▶ to move the cursor to the right.

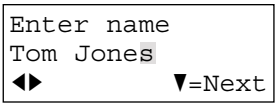
9 Press 6 five times.



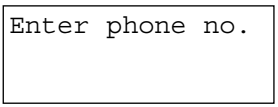
10 Press 3 five times.



11 Press 7 eight times.



12 When finished, press ▼ (Next key).



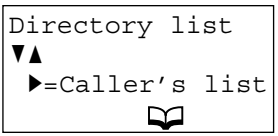
- To enter a phone number and continue storing, see page 36, from step 5.

Finding Items in the Directory

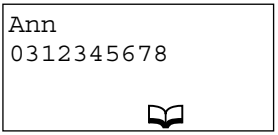
You can search the directory using the handset or the base unit.
Make sure the unit is in the standby mode initially.

With the handset/base unit

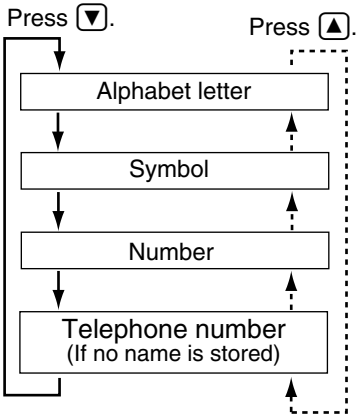
1 Press ◄ or ► to enter the directory list.



2 Press ▼ or ▲.
- The first item is displayed.



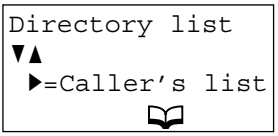
3 Press ▼ or ▲ repeatedly until the desired item is displayed.
- All directory items are stored in the order shown on the right.



To search for a name by initial

With the handset/base unit:

1 Press ◄ or ► to enter the directory list.



2 Press ▼ or ▲.
- The first item is displayed.

3 Press the dialling button for the first letter of the desired name until any name with the same initial is displayed (see the Index table on page 41).
Ex. To find "Frank", press 3 repeatedly until the first item under "F" is displayed.

4 Press ▼ repeatedly until the name is displayed.

Index table

Keys	Index	Keys	Index
1	Other symbols, 1	6	M, N, O, 6
2	A, B, C, 2	7	P, Q, R, S, 7
3	D, E, F, 3	8	T, U, V, 8
4	G, H, I, 4	9	W, X, Y, Z, 9
5	J, K, L, 5	0	0

- You can leave the directory list any time. If using the handset, press OFF. If using the base unit, press EXIT.
- If "No items stored" is displayed in step 2, the directory is empty.
- In step 1, you can go to the Caller List by pressing ▶ (p. 26).
- If you are viewing the directory with the handset, another person cannot access the directory using the base unit, and vice versa.

Dialling from the Directory

Make sure the unit is in the standby mode initially.

With the handset

1 Press ◀ or ▶ to enter the directory list.

```
Directory list
▼▲
▶=Caller's list
```

2 Press ▼ or ▲.
- The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the directory item that you want to dial.
- To search for the item by initial, see page 40.
- To exit the directory, press OFF.

4 Press 📞 or 🔊.
- The number is dialled automatically.

With the base unit

1 Press ◀ or ▶ to enter the directory list.

```
Directory list
▼▲
▶=Caller's list
```

2 Press ▼ or ▲.
- The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the directory item that you want to dial.
- To search for the item by initial, see page 40.
- To exit the directory, press EXIT.

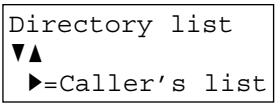
4 Press DIGITAL SP-PHONE.
- The number is dialled automatically.

Editing an Item in the Directory

You can edit a name and phone number of a stored item and change the group setting (p. 35).

Programming must be carried out with the handset.
Make sure the unit is in the standby mode initially.

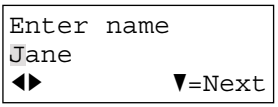
1 Press ◄ or ► to enter the directory list.

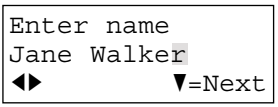


2 Press ▼ or ▲.
- The first item is displayed.

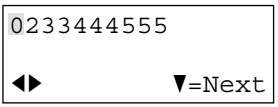
3 Press ▼ or ▲ repeatedly to find the directory item you want to change, and press ►.
- To search for the item by initial, see page 40.
- If you do not need to change the name, go to step 5.

4 Edit the name using the dialling buttons, ◄ or ► (p. 38), up to 15 characters.

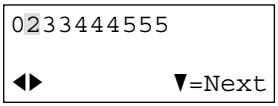


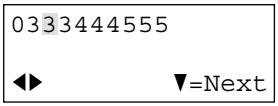


5 Press ▼ (`Next` key).
- If you do not need to change the number, go to step 7.

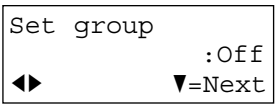


6 Edit the phone number.
- Move the cursor where you want to edit by pressing ◄ or ►.
- Each time you press **CLEAR**, a character is erased from the right. To erase all of the digits, press and hold **CLEAR**.

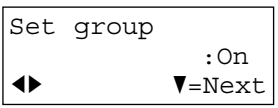




7 Press ▼ (`Next` key).



8 To turn the call group feature on, select "`On`" by pressing ◄ or ►.
If not required, select "`Off`".
- When "`On`" is selected, the display will light in orange and a different ringer pattern will be heard. When "`Off`" is selected, an ordinary ringer pattern will be heard.



9 Press ▼ (Next key).

- If you want to change the storing name, number or group setting, press ▲ (Edit key) repeatedly to reach the desired display and change it.

```
Jane Walker
0981234567
▲=Edit      ▶=Save
```

10 Press ▶ (Save key).

- A beep sounds.
- To continue editing other items, repeat from step 3.
- To return to the standby mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.

Erasing an Item from the Directory

Make sure the unit is in the standby mode initially.

With the handset

1 Press ◀ or ▶ to enter the directory list.

2 Press ▼ or ▲.

- The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the directory item you want to erase.

- To search for the item by initial, see page 40.

```
Helen
0357924680
```

4 Press **CLEAR**.

```
Clear?

◀=No        ▶=Yes
```

- To stop erasing, press ◀ (No key).

5 Press ▶ (Yes key) or **CLEAR**.

- A beep sounds and "Clear" is displayed.
- To erase other items, repeat from step 3.
- To return to the standby mode, press **OFF**.

With the base unit

1 Press ◀ or ▶ to enter the directory list.

2 Press ▼ or ▲.

- The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the directory item you want to erase.

- To search for the item by initial, see page 40.

```
Helen
0357924680
```

4 Press **CLEAR**.

```
Clear?

◀=No        ▶=Yes
```

- To stop erasing, press ◀ (No key).

5 Press ▶ (Yes key) or **CLEAR**.

- A beep sounds and "Clear" is displayed.
- To erase other items, repeat from step 3.
- To return to the standby mode, press **EXIT**.

Intercom

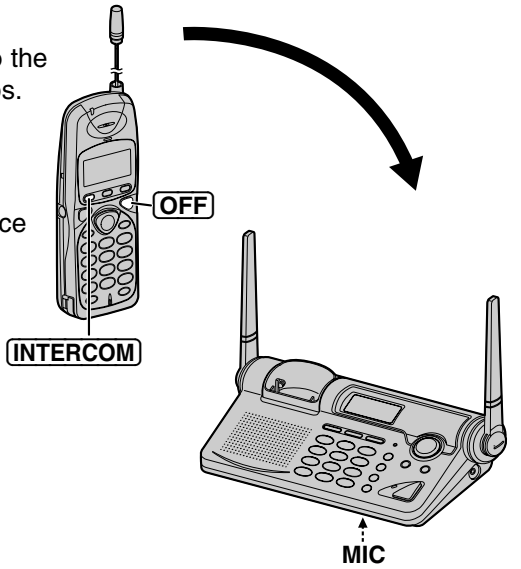
A 2-way intercom is possible between the handset and the base unit.

Paging the base unit from the handset

1 Handset:
Press **INTERCOM**. Talk to the paged party after the beeps.
- "Intercom" is displayed.

2 Base unit:
When the other party's voice is heard, talk into the **MIC**.

3 Handset:
To end the intercom, press **OFF**.



Paging the handset from the base unit (Handset locator)

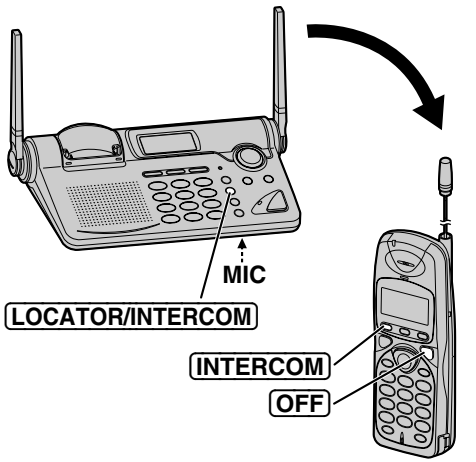
Using this feature, you can locate a misplaced handset.

1 Base unit:
Press **LOCATOR/INTERCOM**.
- "Paging" is displayed on the base unit.
- The handset beeps for 1 minute and "Paging Press INTERCOM" is displayed.
- To stop paging, press **LOCATOR/INTERCOM** again.

2 Handset:
Press **INTERCOM** to answer.
- "Intercom" is displayed.

3 Base unit:
Talk into the **MIC**.

4 Handset:
To end the intercom, press **OFF**.



During an intercom call:
- Intercom calls can only be ended with the handset.
- If the handset user has difficulty hearing the base unit user, decrease the base unit speaker volume by pressing ▼.
- If an incoming call is received, the intercom call stops and the unit starts to ring. To answer, if you are using the handset, press or . If you are using the base unit, press **DIGITAL SP-PHONE**.

Transferring a Call Using the Intercom

The intercom can be used during a call. This feature enables you to transfer a call between the handset and the base unit.

From the handset to the base unit

1 Handset:
During a call, press **INTERCOM**. Talk to the paged party after the beeps.
- The call is put on hold and "Intercom hold" is displayed.
- If the base unit user does not answer, press or .

2 Base unit:
When the paging party's voice is heard, answer using the **MIC**.

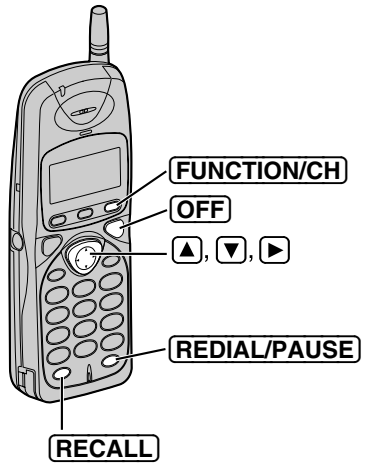
3 Base unit:
To answer the call, press **DIGITAL SP-PHONE**.
- The transfer is complete.

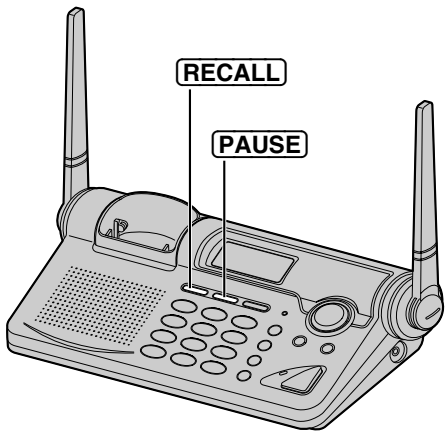
From the base unit to the handset

1 Base unit:
During a call, press **LOCATOR/INTERCOM**.
- The call is put on hold and "Paging" is displayed.
- If the handset user does not answer, press **DIGITAL SP-PHONE**.

2 Handset:
Press **INTERCOM** to answer the page.
- "Intercom hold" is displayed.

3 Handset:
To answer the call, press or .
- The transfer is complete.





Automatic Security Code Setting

Each time you place the handset on the base unit, the unit automatically selects one of more than a million security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone user.

How to Use the PAUSE Button

(For Analog PBX Line/Long Distance Service Users)

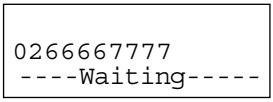
We recommend you press **REDIAL/PAUSE** or **PAUSE** if a pause is required for dialling with a PBX or to access a long distance service.
Ex. Line access number **9** (PBX)

9 ➡ **REDIAL/PAUSE** or **PAUSE** ➡ Phone number

- Pressing **REDIAL/PAUSE** or **PAUSE** once creates a 3.5 second pause. This prevents misdialling when you redial or dial a stored number.
- Pressing **REDIAL/PAUSE** or **PAUSE** more than once increases the length of the pause between numbers.

Call Waiting and Caller ID Compatible
(For Australia only)

If you subscribe to Caller ID services, your unit displays a second caller's information while talking. After you hear a call-waiting tone, the caller's phone number and "----Waiting-----" will be displayed.



You can answer the second call, keeping the first call on hold. Follow Telstra or your service provider instructions using (RECALL).

- If the phone number is stored in the directory, the caller's name will be displayed (p. 25).
- When you receive a second call during a conversation, you will hear a signal tone following the call waiting tone and the conversation will be interrupted for approximately a second. The tones are generated from the telephone company. This is not fault of the product as these events are normal.
- The second caller's information will not be displayed when a parallel connected telephone is in use.
- Please contact Telstra or your service provider for details and availability in your area.

For Call Waiting Service Users in New Zealand

Make sure the recall time is set to 600 msec for use with Telecom's Call Waiting Service. Press (RECALL) if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press (RECALL) again.
- Your telephone company may not support the second caller display feature.

RECALL Button

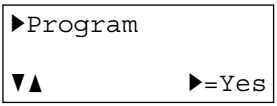
Pressing **RECALL** allows you to use special features of your host PBX such as transferring an extension call or accessing special telephone services (optional) such as call waiting.

Selecting the recall time

The recall time depends on your telephone exchange or host PBX.
You can select the following recall times: “700, 600, 400, 300, 250, 110, 100 or 90 msec (milliseconds)”. KX-TG2650ALN comes from the factory set to “100 msec” and KX-TG2650NZN comes from the factory set to “600 msec”. **Make sure the unit is in the standby mode initially.**

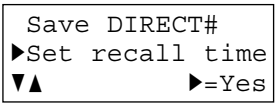
1 Press **FUNCTION/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to “Program”.



3 Press ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to “Set recall time”.



5 Press ▶ (Yes key).

6 Press ▼ or ▲ repeatedly until the desired time is displayed, and press ▶ (Save key).

- A beep sounds.
- To return to the standby mode, press **OFF**.

- You can exit the programming mode any time by pressing **OFF**.
- Users in Australia can access Telstra’s “EASY CALL” service by having the recall time set at 100 msec (this is the factory default setting), and then follow Telstra’s “EASY CALL” instructions to operate this service.
- If you are connected via a PBX, a longer or shorter recall time may be necessary to use PBX functions (transferring a call etc.). Consult your PBX supplier for the correct setting.

For Call Waiting Service Users in New Zealand

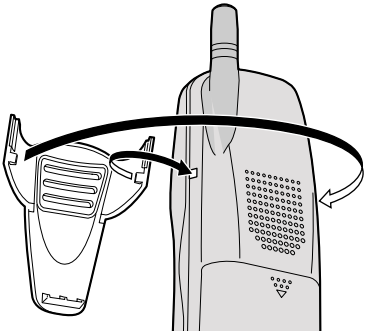
Make sure the recall time is set to 600 msec for use with Telecom’s Call Waiting Service. Press **RECALL** if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **RECALL** again.
- Your telephone company may not support the second caller display feature.

Using the Belt Clip

You can hang the handset on your belt or pocket using the belt clip.

To attach the belt clip



To remove the belt clip

Using an Optional Headset

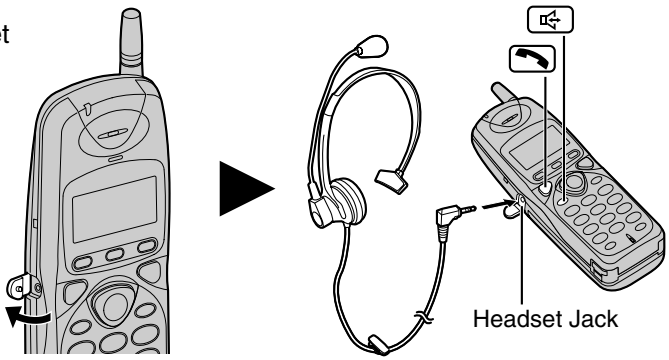
Plugging an optional headset into the handset or the base unit allows a hands-free phone conversation. Please use only the Panasonic KX-TCA88AL headset.

Only telecommunications compliance labelled headsets should be plugged into the headset jack on the base unit and the handset.

With the Handset

Connecting the headset to the handset

Open the headset jack cover, and connect the headset to the headset jack as shown.

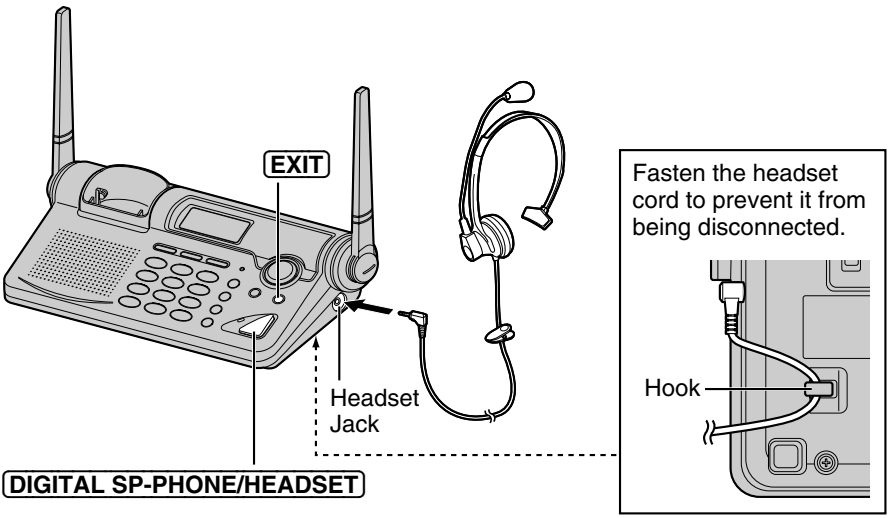


To switch to the speakerphone while using the headset:
Press [SP-PHONE]. To return to the headset, press [TALK].

With the Base Unit

Connecting the headset to the base unit

Connect the headset to the headset jack as shown.



Making/Answering calls

1 Press **DIGITAL SP-PHONE/HEADSET** to make or answer a call.

- If you misdial when making a call, press **DIGITAL SP-PHONE/HEADSET** twice and dial again.

2 To hang up, press **DIGITAL SP-PHONE/HEADSET**.

To adjust the headset receiver volume (High, Medium or Low):
While using the headset, press ▲ or ▼.

To switch to the speakerphone while using the headset:
"EXIT=SP-phone" is displayed. Press **EXIT**.
To return to the headset, press **EXIT** again.

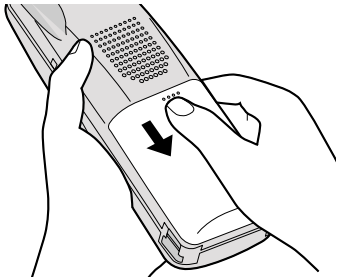
- Each time you press **EXIT**, the call will switch to the headset or speakerphone. While in the speakerphone mode, "EXIT=Headset" is displayed.

- During a conversation using the headset, you can switch the call to the handset by lifting it off the cradle.
- If you disconnect the headset during a conversation, you can continue the conversation with the speakerphone.

Battery Replacement

If "Recharge battery" is displayed and/or "[▮]" flashes after being fully charged, replace the battery with a new Panasonic HHR-P509 (PQHHR150AA23) battery.

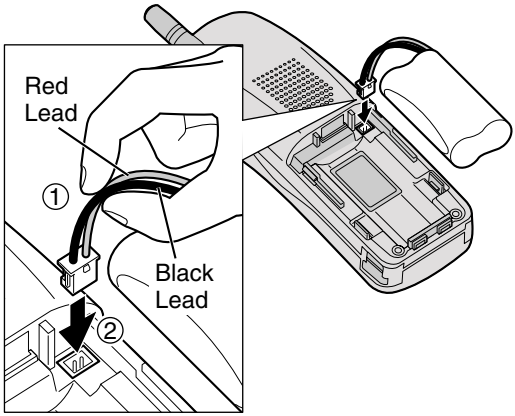
1 Remove the cover by sliding it up while pressing the arrow.



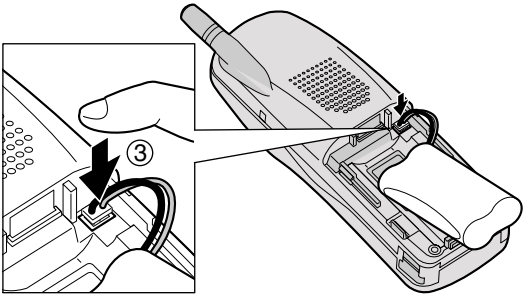
2 Remove the old battery. Then install the new one:

①Pinch the battery leads at the distance of about 10 mm from the battery plug with the red lead on the right and the black lead on the left.

②Insert the battery plug into the connector in the handset vertically.



③Press the plug with your finger tip to ensure it is firmly inserted.



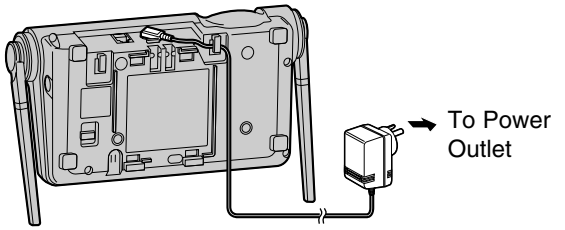
3 Close the cover. Make sure you charge the new battery for about 8 hours so that the battery strength indicator appears (p. 11).

•Please return the rechargeable battery to your sales shop at the end of their useful life.

Wall Mounting

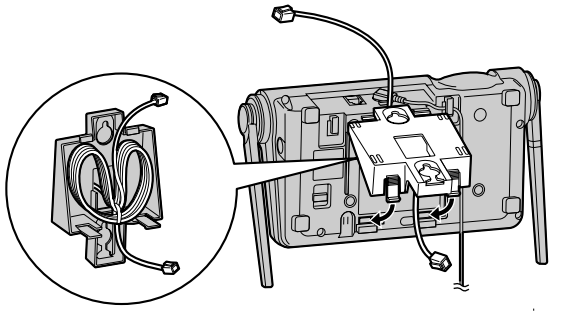
This unit can be mounted on a wall.

1 Connect the AC adaptor.



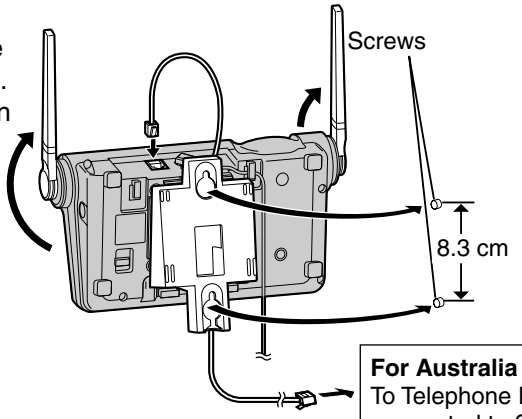
2 Tuck the telephone line cord inside the wall mounting adaptor, then push it in the direction of the arrow.

- The word “UP” should face upward.



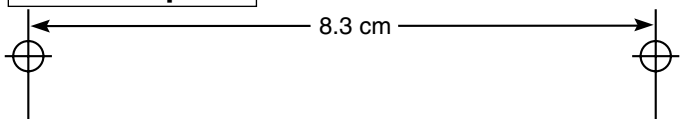
3 Install screws using the wall template below. Connect the telephone line cord. Mount the unit, then slide down.

- Raise the antennas.



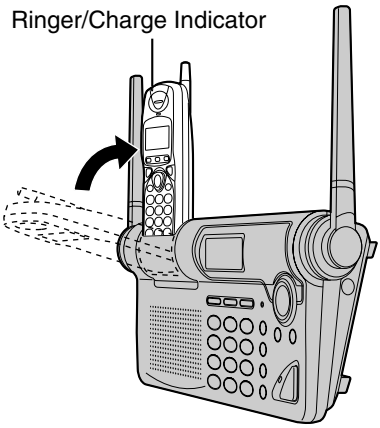
For Australia
To Telephone Plug connected to Socket
OR
For New Zealand
To Single-Line Telephone Jack

Wall Template



4 **To charge the handset battery:**
Place the handset on the cradle and adjust the angle of the cradle in the direction of the arrow as shown.

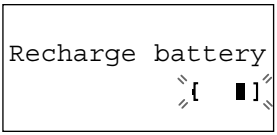
•The ringer/charge indicator lights.



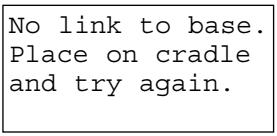
If the Following Appear...

If the unit detects a problem, one of the following messages will be displayed on the handset or the base unit.

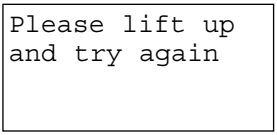
Handset display



The battery needs to be charged. Insert the handset in the cradle to charge the battery (p. 11).

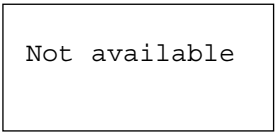


The handset has lost communication with the base unit. Insert the handset in the cradle and try again.

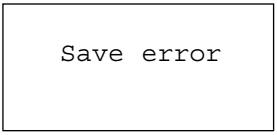


▼, ▲, ◄ or ► was pressed while the handset was on the base unit. Lift the handset and press the button again.

When trying to store an item or Caller List information in the directory, the directory memory is full (p. 31, 37). To erase other stored items from the directory, see page 43.

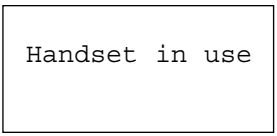


While the base unit was not in the standby mode, ▼ or ▲ was pressed to search the Caller List/directory list, ► was pressed to select an option or **INTERCOM** was pressed.



While storing items in the directory, the handset has lost communication with the base unit. Move closer to the base unit and try again.

Base unit display



The display will be shown when the handset is in use (making/answering a call, viewing the Caller List or directory list, etc.).

Before Requesting Help

Problem	Remedy
"No link to base. Place on cradle and try again." is displayed and an alarm tone sounds.	•You are too far from the base unit. Move closer and try again. •Insert the handset in the cradle and try again. •Plug in the AC adaptor. •Extend the handset antenna fully. •Raise the base unit antennas.
The unit does not work.	•Check the settings (p. 10–13). •Charge the battery fully (p. 11). •Clean the charge contacts and charge again (p. 12). •Install the battery properly (p. 51). •Insert the handset in the cradle and unplug the AC adaptor to reset. Plug in, and try again. •Re-install the battery and insert the handset in the cradle (p. 51). Try again. •KX-TG2650ALN and KX-TG2650NZN are not designed to be used with rotary (pulse dialling) services.
Static, sound cuts in/out, fades. Interference from other electrical units.	•Locate the handset and the base unit away from other electrical appliances (p. 3). •Move closer to the base unit. •Extend the handset antenna fully. •Raise the base unit antennas. •Press FUNCTION/CH to select a clearer channel.
The handset and/or the base unit do not ring.	•The ringer volume is set to OFF. Set to HIGH or LOW (p. 16).
The handset display is blank.	•The handset is in the standby mode (p. 9). Press ▼, ▲, ◄ or ► to turn the display on.
The handset display is still blank after pressing ▼, ▲, ◄ or ►.	•Charge the battery fully (p. 11).

Problem	Remedy
You cannot program items, such as the recall time.	•Programming is not possible while the unit is in conversation or speakerphone mode or when viewing the Caller List/directory list. •Do not pause for over 60 seconds while programming. •Move closer to the base unit. •▼, ▲, ◄ or ► may have been pressed when you picked up the handset. Press **OFF** and try again.
Previously programmed information is erased.	•If a power failure occurs, programmed information may be erased. Reprogram if necessary.
You cannot store a name and phone number in the directory.	•You cannot store an item in the directory while the unit is in the talk, speakerphone or intercom mode. •Do not pause for over 60 seconds while storing.
While programming or searching, the unit starts to ring and stops the program/ search.	•To answer the call, press , or **DIGITAL SP-PHONE**. Start again from the beginning after hanging up.
The unit does not display the caller's name and/or phone number.	•You need to subscribe to a Caller ID service from a telephone company. •Other telephone equipment may be interfering with your phone. Disconnect it and try again. •Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. •Telephone line noise may be affecting the Caller ID information.

Problem	Remedy
The handset or base unit display goes to the standby mode while viewing the Caller List.	•Do not pause for over 60 seconds while searching.
When a second call is received during a conversation, the unit does not display the new caller's name and/or phone number.	•The line mode selection is incorrect. See page 13.
You cannot page the handset or the base unit.	•The handset is too far from the base unit. •The handset or the base unit is engaged in an outside call or is viewing the Caller List/directory list. Try again later. If you are using the base unit, wait until "Handset in use" disappears.
You cannot redial by pressing **REDIAL/PAUSE** or **REDIAL**.	•If the last number dialled was more than 32 digits long, the number will not be redialled correctly. •The **REDIAL/PAUSE** button on the handset has a double function as either redial or pause. It will redial the last number dialled if pressed at the outset of a call (p. 19). If another number has been dialled first, it will operate as a pause button (p. 46).
"Recharge battery" is displayed on the handset, "[▮]" flashes or the unit beeps intermittently.	•Charge the battery fully (p. 11).
You charged the battery fully, but "Recharge battery" is still displayed and/or "[▮]" continues to flash.	•Clean the charge contacts and charge again (p. 12). •Install a new battery (p. 51).

Before Requesting Help

Problem	Remedy
The ringer/charge indicator light does not go out while charging.	•This is normal.
You cannot have a conversation using the headset.	•Make sure that the headset is connected properly (p. 49, 50). • [ ] may have been pressed. If the button lights, press [ ] to continue the conversation with the headset. •If "EXIT=Headset" is displayed on the base unit, press [EXIT] to switch from the speakerphone to the headset.

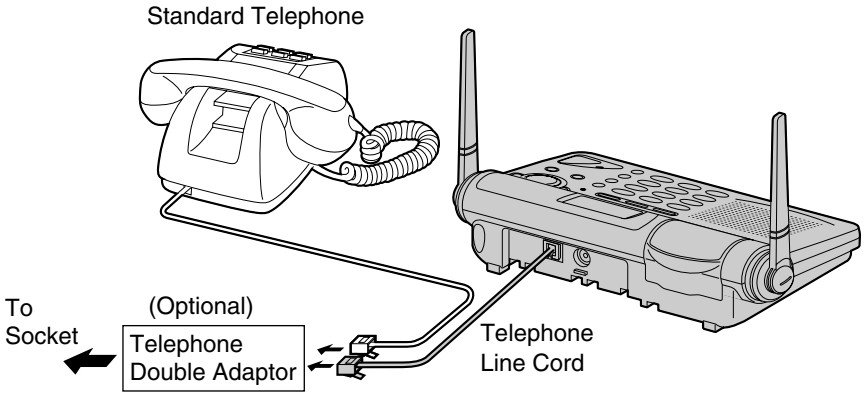
For Australian Customers
Panasonic Australia operates a toll free Customer Care Centre.
Please phone Panasonic on 132600 for assistance.

For New Zealand Customers
Panasonic New Zealand operates a toll free Customer Support Centre.
Please phone 0800 Panasonic (0800 726276) for assistance.

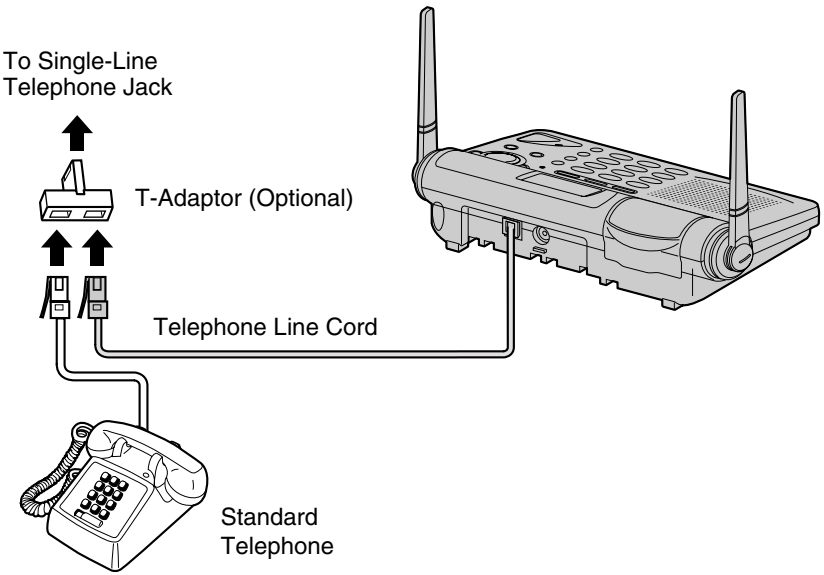
Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a telephone double adaptor (for Australia) or a T-adaptor (for New Zealand).

For Australia



For New Zealand



Safety Instructions

Take special care to follow the safety suggestions listed below.

Safety

1) The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
2) When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.
3) To minimize the possibility of lightning damage when you know that a thunderstorm is coming, we recommend that you:
   a) Unplug the telephone line cord from the phone jack.
   b) Unplug the power supply cord from the AC power outlet.

Installations

Environment

1) Do not use this unit near liquids—for example, near a bathtub, washbowl, sink, etc. Damp environments should also be avoided.
2) The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It also should not be placed in rooms where the temperature is less than 5°C or greater than 40°C.
3) As the AC adaptor needs to be connected to mains power, ensure that AC mains output is located nearby for easy access.

Placement

1) Do not place heavy objects on top of this unit.
2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.
3) Place the unit on a flat surface.

For best performance

1) If noise prevents the conversation from being understood at the handset, approach the base unit to lessen the noise.
2) The handset should be used at the HIGH volume setting when the reception audio is difficult to hear.
3) The handset should be fully recharged on the base unit when "Recharge battery" is displayed and/or "[▮]" flashes on the display.
4) The handset antenna should not be touched during use because it can effect the handset's performance.
5) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, undergrounds, near metal objects such as wire fences, etc.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO LIQUID OR ANY TYPE OF MOISTURE.

When a failure occurs which results in the internal parts becoming accessible, disconnect AC adaptor immediately and return this unit to the place of purchase or service centre.

If there is any trouble, disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, do not reconnect the unit to the telephone line until the fault has been repaired. If the known working phone does not operate properly, consult your telephone company.

This equipment has been tested and found to comply with AS/NZS 3548: 1995 limits for electromagnetic interference. Any modifications to any part of the system or to any peripherals may void the EMC compliance of the system or the peripherals.

This equipment will be inoperable when mains power fails.

The earcap on the handset is magnetised and may retain metallic objects.

Operating near 2.4GHz electrical appliances may cause interference. Move away from the electrical appliances and/or press the CH (Channel) button.

Medical
Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2401MHz to 2462MHz, and the power output level can range from 0.001 watts to 0.20 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

For New Zealand Users Only

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

This device only responds to Distinctive Alert cadence(s) DA1 & DA3.

WARNING NOTICE:

No "111" or other calls can be made from this device during a mains power failure.

This equipment shall not be set to make automatic calls to the Telecom "111" Emergency Service.

- We recommend that a standard phone which can be used in the case of a power failure be connected to the telephone line at all times.
- This equipment should not be used under any circumstances which may constitute a nuisance to other Telecom customers.

Important Information (For Australia only)

Instructions to customer

Installation

Attached to this apparatus is an approval label. This label is evidence that it is a “Permitted Attachment” which has been authorised to be connected to your telephone service.

Conditions relating to connection and operation of this Permitted Attachment are contained in Telecommunications General By-Law 220 (5).

You are authorised to install this Permitted Attachment yourself by plugging it into the line socket of any regular telephone. You may connect it in place of your existing telephone or to any spare telephone socket installed in your premises.

To disconnect your existing telephone you must first remove its plug from the line socket. You can then insert the plug of your Permitted Attachment into the socket and use your equipment.

If the plug of your existing telephone cannot be readily removed, you will have to remove the screw securing it. To do this proceed as follows:

1. Loosen screw “A” sufficiently to remove the socket cover. (See Fig. 1.)
2. Remove screw “B” and withdraw the plug. (See Fig. 2.)
3. Replace screw “B”. (See Fig. 3.) Ensure that it screws completely into the socket recess. (If the screw is too long, increase the hole depth or replace the screw with one 5 mm shorter.)
4. Replace socket cover and tighten screw “A”. (See Fig. 4.)

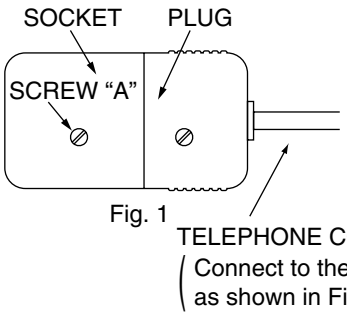


Fig. 1

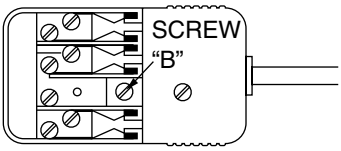


Fig. 2

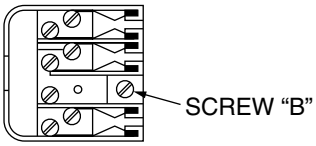


Fig. 3

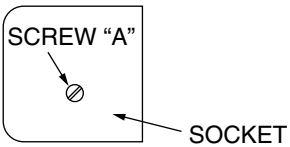


Fig. 4

If you are satisfied with the operation of your telephone service after plugging in your Permitted Attachment, your installation is completed.

You will be unable to connect this Permitted Attachment if your telephone service consists only of a wall phone or an old style telephone which is not connected by means of a modern plug and socket. In such cases a new socket will need to be installed.

Should the Permitted Attachment not operate when plugged into a socket, it is either faulty or unsuitable for operation with your telephone service. It should be returned to the store where purchased or the Authorised Service Centre.

Service difficulties

If at any time a fault occurs on your telephone service carry out the following checks before you call for service:

- Disconnect the Permitted Attachment and try using the service with the normal telephone.
- If the telephone service then operates satisfactorily, the fault is in your Permitted Attachment. Leave the Permitted Attachment disconnected and report the fault to its supplier or agent to arrange for repair.
- If when using the telephone the service is still faulty, report the fault to "Service Difficulties and Faults" for attention.

You are required to keep this Permitted Attachment in good working order while it is connected to your telephone service. Its construction or internal circuit must not be modified in any way without permission.

WARNING

This cordless telephone system does not incorporate provision for secrecy of conversations. Appropriately tuned radio equipment and other cordless telephone systems in close proximity may be used by a third party to monitor and possibly interrupt conversations in progress when this system is on radio operation.

Kyushu Matsushita Electric Co., Ltd.
1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

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